

Title (en)

Balancing of collisions in a soliton transmission system

Title (de)

Kollisionsausgleichung in einem Soliton-Übertragungssystem

Title (fr)

Equilibrage des collisions dans un système de transmission à fibre optique à signaux solitons

Publication

**EP 1001564 B1 20040616 (FR)**

Application

**EP 99402734 A 19991104**

Priority

FR 9814052 A 19981109

Abstract (en)

[origin: EP1001564A1] The soliton equilibrium of collisions systems applies to multiplexed wavelength channels. The wavelength of the different channels is chosen such that the time bits of the different channels are synchronised in an amplifier at a point in a fibre section. The dispersion and wavelength of the fibre section are chosen to limit the collision glitches between solitons of different channels.

IPC 1-7

**H04B 10/18**

IPC 8 full level

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